



5-13-09

GAI 1643

**COPY OF PAPERS
ORIGINALLY FILED**

PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Sivaram Pillarisetti

Serial No. 10/091,357

Filed: March 1, 2002

**For: Methods and Compositions for the
Treatment and Prevention of Smooth Muscle
Cell Proliferation**

RECEIVED

Art Unit: 1645

MAY 16 2002

TECH CENTER 1600/2900

INFORMATION DISCLOSURE STATEMENT

**Assistant Commissioner for Patents
Washington, DC 20231**

Sir:

The citation of information on the attached Form PTO/SB/08 is made pursuant to 37 C.F.R. §§ 1.56, 1.97, and 1.98. A copy of each cited item is enclosed.

The citation of this information does not constitute an admission of priority or
that any cited item is available as a reference, or a waiver of any right the applicant may have

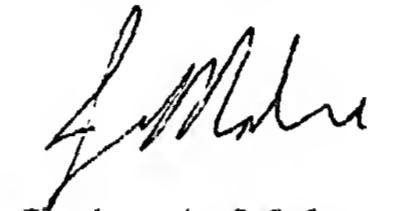
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231, on April 26, 2002.

Janina A Malone - Reg No 47768

**Information Disclosure Statement
Serial No. 10/091,357
Page 2**

under applicable statutes, Rules of Practice in patent cases, or otherwise.

Respectfully submitted,



Janina A. Malone
Reg. No. 47,768

KILPATRICK STOCKTON LLP
1100 Peachtree Street
Suite 2800
Atlanta, Georgia 30309-4530
(404) 815-6500
Our Docket: 18631-0141(45115-368551)

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

COPY OF PAPERS
ORIGINALLY FILED

PTO/SB/08B (08-00)

Approved for use through 10/31/2002 OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for Form 1449/A/PTO

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 3



Complete if Known

RECEIVED

Application Number	10/091,357
Filing Date	March 1, 2002
First Named Inventor	Sivaram Pillarisetti
Group Art Unit	
Examiner Name	

Attorney Docket Number 18631-0141 (4516-268551)

OTHER INFORMATION - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
		Belknap, James K., et al., "Relationship Between Perlecan and Tropoelastin Gene Expression and Cell Replication in the Developing Rat Pulmonary Vasculature", <i>Am. J. Respir. Cell Mol. Biol.</i> , Vol. 20, pp. 24-34 (1999)	
		Benitz, William E., et al., "Endothelial Heparan Sulfate Proteoglycan. I. Inhibitory Effects on Smooth Muscle Cell Proliferation", <i>Am. J. Respir. Cell Mol. Biol.</i> , Vol. 2, pp.13-24 (1990)	
		Bingley, John A., et al., "Inhibition of Neointimal Formation by Natural Heparan Sulfate Proteoglycans of the Arterial Wall", <i>Ann. N.Y. Acad. Sci.</i> , Vol. 811, pp. 238-244. (1997)	
		Brown, Christopher T., et al., "Characterization Of Proteoglycans Synthesized by Cultured Corneal Fibroblasts in Response to Transforming Growth Factor Beta and Fetal Calf Serum", <i>J. Biol. Chem.</i> , Vol. 274, No. 11, pp. 7111-7119 (1999)	
		Bult, Hidde, "Restenosis: A Challenge for Pharmacology", <i>Trends Pharmacol. Sci.</i> , Vol. 21, pp. 274-279 (2000)	
		Campbell, Julie H., et al., "Endothelial Cell Influences on Vascular Smooth Muscle Phenotype", <i>Ann. Rev. Physiol.</i> , Vol. 48, pp. 295-306 (1986)	
		Crowley, Stephen T., et al., "Multiple Growth Factors are Released from Mechanically Injured Vascular Smooth Muscle Cells", <i>Am. J. Physiol.</i> , Vol. 269, No. 5, pp. H1641-H1647 (1995)	
		Engelberg, Hyman, "Actions of Heparin in the Atherosclerotic Process", <i>Am. Soc. Pharm. Exp. Therap.</i> , Vol. 48, No. 2, pp.327-352 (1996)	
		Forsten, Kimberly E., et al., "Endothelial Proteoglycans Inhibit bFGF Binding and Mitogenesis", <i>J. Cell. Physiol.</i> , Vol. 172, pp. 209-220 (1997)	
		Fuji, Noriyasu, et al., "Thrombin Reduces Large Heparan Sulfate Proteoglycan Molecules in Cultured Vascular Endothelial Cell Layers Through Inhibition of Core Protein Synthesis", <i>Thromb. Res.</i> , Vol. 88, pp. 299-307 (1997)	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

¹Unique citation designation number. ²Applicant is to place a check mark here if English language translation is attached.



**COPY OF PAPERS
ORIGINALLY FILED**

PTO/SB/08B (08-00)

Approved for use through 10/31/2002 OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
to a collection of information unless it contains a valid OMB control number.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for Form 1449/A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 2 of 3

Complete if Known

Application Number	10/091,357
Filing Date	March 1, 2002
First Named Inventor	Sivaram Pillarisetti
Group Art Unit	
Examiner Name	TECH CENTER 1600
Attorney Docket Number	18631-0141 (45115-268551)

OTHER INFORMATION - NON PATENT LITERATURE DOCUMENTS

OTHER INFORMATION - NON-PATENT LITERATURE DOCUMENTS		
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
		Garg, Uttam C., <i>et al.</i> , "Nitric Oxide-Generating Vasodilators and 8-Bromo-Cyclic Guanosine Monophosphate Inhibit Mitogenesis and Proliferation of Cultured Rat Vascular Smooth Muscle Cells", <i>J. Clin. Invest.</i> , Vol. 83, No. 5, pp.1774-1777 (1989)
		Hayashi, Kimiko, <i>et al.</i> , "Endothelial Cells Interact with the Core Protein of Basement Membrane Perlecan Through Beta 1 and Beta 3 Integrins: An Adhesion Modulated by Glycosaminoglycan", <i>J. Cell Biol.</i> , Vol. 119, No. 4, pp. 945-959 (1992)
		Iozzo, Renato V., <i>et al.</i> , "Structural Characterization of Perlecan Gene Promoter", <i>J. Biol. Chem.</i> , Vol. 272, No. 8, pp. 5219-5228 (1997)
+/-		Iozzo, Renato V., <i>et al.</i> , "The Biology of Perlecan: the Multi-faceted Heparan Sulphate Proteoglycan of Basement Membranes and Pericellular Matrices", <i>Biochem. J.</i> , Vol. 302, pp. 625-639 (1994)
		Karnovsky, Morris J., "Endothelial--Vascular Smooth Muscle Cell Interactions", <i>Am. J. Pathol.</i> , Vol. 105, No. 3, pp.200-206 (1981)
		Karnovsky, M.J., <i>et al.</i> , "Heparin, Heparan Sulfate, Smooth Muscle Cells, and Atherosclerosis", <i>Ann. N.Y. Acad. Sci.</i> , Vol. 556, pp. 268-281 (1989)
		Koyama, Noriyuki, <i>et al.</i> , "Heparan Sulfate Proteoglycans Mediate a Potent Inhibitory Signal for Migration of Vascular Smooth Muscle Cells", <i>Circ. Res.</i> , Vol. 83, No. 3, pp. 305-313 (1998)
		Luscher, Thomas F., <i>et al.</i> , "The Pathogenesis Of Cardiovascular Disease: Role of the Endothelium as a Target and Mediator", <i>Atherosclerosis 118 Suppl.</i> , pp. S81-S90 (1995)
		Nugent, Matthew A., <i>et al.</i> , "Perlecan is Required to Inhibit Thrombosis After Deep Vascular Injury and Contributes to Endothelial Cell-Mediated Inhibition of Intimal Hyperplasia", <i>PNAS</i> , Vol. 97, No. 12, pp. 6722-6727 (2000)
		Orford, James L., <i>et al.</i> , "The Comparative Pathobiology of Atherosclerosis and Restenosis", <i>Am. J. Cardiol.</i> , Vol. 86. pp. 6H-11H (2000)
		Ottlinger, Michael E., <i>et al.</i> , "Heparin Inhibits Mitogen-Activated Protein Kinase Activation in Intact Rat Vascular Smooth Muscle Cells", <i>J. Biol. Chem.</i> , Vol. 268, No. 26, pp.19173-19176 (1993)

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

¹Unique citation designation number. ²Applicant is to place a check mark here if English language translation is attached.

O I R E
MAY 13 2002
P A T E N T & T R A D E M A R K O F F I C E

COPY OF PAPERS
ORIGINALLY FILED

PTO/SB/08B (08-00)

Approved for use through 10/31/2002 OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for Form 1449/A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 3 of 3

Complte if Known

10/091,357

March 1, 2002

Sivaram Pillarisetti

MAY 16 2002

Group Art Unit

Examiner Name

Attorney Docket Number

18631-0141 (45168551)

RECEIVED

2002

TECH CENTER 1600/2C

OTHER INFORMATION - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
		Paka, Latha, <i>et al.</i> , "Perlecan Mediates the Antiproliferative Effect of Apolipoprotein E on Smooth Muscle Cells: An Underlying Mechanism for the Modulation of Smooth Muscle Cell Growth?", <i>J. Biol. Chem.</i> , Vol. 274, No. 51, pp. 36403-36408 (1999)	
		Paka, Latha, <i>et al.</i> , "Apolipoprotein E Containing High Density Lipoprotein Stimulates Endothelial Production Heparan Sulfate Rich in Biologically Active Heparin-Like Domains", <i>J. Biol. Chem.</i> , Vol. 274, No. 8, pp. 4816-4823 (1999)	
		Pillarisetti, Sivaram, <i>et al.</i> , "Lysolecithin-induced Alteration of Subendothelial Heparan Sulfate Proteoglycans Increases Monocyte Binding to Matrix", <i>J. Biol. Chem.</i> , Vol. 270, No. 50, pp. 29760-29765 (1995)	
		Pillarisetti, Sivaram, <i>et al.</i> , "Subendothelial Retention of Lipoprotein (a): Evidence that Reduced Heparan Sulfate Promotes Lipoprotein Binding By Subendothelial Matrix", <i>J. Clin. Invest.</i> , Vol. 100, No. 4, pp. 867-874 (1997)	
		Ramasamy, Santhini, <i>et al.</i> , "Oxidized Lipid-Mediated Alterations In Proteoglycan Metabolism In Cultured Pulmonary Endothelial Cells", <i>Atherosclerosis</i> 120, pp. 199-208 (1996)	
		Rosenberg, Robert D., <i>et al.</i> , "Heparan Sulfate Proteoglycans of Vascular System: Specific Structures Emerge But How is Synthesis Regulated?", <i>J. Clin. Invest.</i> , Vol. 99, No. 9, pp. 2062-2070 (1997)	
		Schwartz, Stephen M., "Smooth Muscle Migration in Atherosclerosis and Restenosis", <i>J. Clin. Invest.</i> , Vol. 99, No. 12, pp. 2814-2817 (1997)	
		Weiser, Mary C., <i>et al.</i> , "Developmental Regulation of Perlecan Gene Expression in Aortic Smooth Muscle Cells", <i>J. Matrix Biol.</i> , Vol. 15, No. 5, pp. 331-340 (1996)	
		Yu, Sheu-Meei, <i>et al.</i> , "cGMP-elevating Agents Suppress Proliferation of Vascular Smooth Muscle Cells by Inhibiting the Activation of Epidermal Growth Factor Signaling Pathway", <i>Circulation</i> , Vol. 95, No. 5, pp. 1269-1277 (1997)	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

¹Unique citation designation number. ²Applicant is to place a check mark here if English language translation is attached.